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#### **DEPARTMENT OF THE ARMY**

OFFICE OF THE ADJUTANT GENERAL WASHINGTON, D.C. 20310

IN REPLY REFER TO

AGDA (M)(5 Mar 70) FOR OT UT 694035

11 March 1970

SUBJECT: Operational Report - Lessons Learned, Headquarters, 4th Infantry Division Artillery, Period Ending 31 October 1969 (U)

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- 2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

ROBERT E. LY Colonel, ACC

Acting The Adjutant General

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DEPARTMENT OF THE ARMY
HEADQUARTERS 4TH INFANTRY DIVISION ARTILLERY
APO San Francisco 96262

AVDDD-AC

31. October 1969

SUBJECT: Operational Report - Lessons Learned Headquarters, 4th Infantry Division Artillery Period Ending 31 October 1969 RCS CS FOR - 65 (R2).

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SECTION I (C) Significant Organization or Unit Activities

#### 1. (C) General.

- a. During the period the 4th Infantry Division Artillery fired in support of maneuver forces participating in Operation Hines and Operation Washington Green. The operations ran concurrently and were still in effect at the close of the reporting period.
  - b. Task Organization is as shown at Inclosure 1.
  - c. Commenders and Principal Staff are shown at Inclosure 2.
- (1) Primary Mission: The primary mission of the 4th Infantry Division Artillery was to provide continuous and timely fire support to the 4th Infantry Division and other friendly forces by destroying or neutralizing, in priority, those targets that jeopardized the accomplishment of the mission.
- (2) Secondary Mission: To increase the effectiveness of RVNAF artillery elements and enhance the security of civilian population in the area of operation. This was accomplished by instructing RVNAF artillery units in proper firing battery, FDC, and grid clearance procedures, as well as instructing RF/PF, CIDG, PSDF, and village members in the correct procedures for the adjustment of artillery fire.
- 2. (C) Intelligence. The intelligence picture was developed in relation to the three areas occupied by Brigades of the 4th Infantry Division, each of which was supported by a DS Artillery Battalion of the Division Artillery. Additionally Division Artillery was responsible for the Defense of Camp Enari and an area approximately 12 kms.radius from Camp Enari, which will also be discussed.
  - a. Areas of Operations.
- (1) 1st Ede (6-29 Arty, DS), Binh Dinh Province. Enemy activity during the month of August was relatively light with the exception of 11-17 August when the enemy forces increased their activity to the west of An Khe. Installations along Highway. 19 were the focal points, with mining incidents harassing attacks FOR OT UT

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Inclosure

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on pump stations, bridges, strong points, being predominate. Operations to the northeast of An Khe continued to uncover numerous fortifications, weapons, ammunitions and food supplies.

During the month of September energy activity throughout Binh Dinh Province remained light. Activity along Highway 19 was especially light, with only two mining incidents reported. First Brigade continued to take the initiative against 95B Regiment vicinity east of VC Valley as well as Gia Lei Province Committee in their base area approximately 40 kilometers northwest of An Khe. Installations such as a uniform factory, rear services supply point, food caches, and a commo station, complete with field phones and a switchboard, attesting to the enemy's extensive use of the Gai Lai area. To the northeast of an Khe, 1st Brigade LRP teams and 7/17 Cavalry elements initiated operations in Base area 226 (east of LZ Hardtimes) to pinpoint elements of the 18th NVA Regiment. 1st Brigade operations in VC Valley were concluded at the end of September, while operations against the Gia Lai Province Committee to the northeast of An Khe were continued. Second Brigade took over operations in Base Area 226 on 21 Sep 69.

Enemy activities during the month of October were light and characterized by small unit contacts and sniping incidents.

(2) 2d Brigade (4-42 Arty, IS), Kontum Province and Binh Dinh Province. In Kontum Province the major enemy units were the 40th Artillery Regiment, the 304th Infantry Regiment and the 406th Sapper Battalion. The 631st Artillery Battalion was known to be in the Kontum area and had moved into the Chu Pa Mountain region.

During the period 1 August to 21 September activity in Kontum Province was generally light. The enemy was believed to be recovering from attacks during the months of May and June. The enemy continued to move for regrouping and resupplying. Detection of this movement was the primary source of contact.

Morter attacks were reduced from the previous quarter. There were four known instances of fire on Kontum City. These were attributed to the 40th Artillery Regiment which was believed to be in the area northeast of Kontum.

Local guerilla activity included attempts to terrorize villagers. Governing members of the villages were kidnepped and threatened with death if cooperation was given to the government or U.S. Forces. They were then returned to the villages with the hope that they would pursuade others to aid local NVA and Viet Cong troops.

On 21 September the 2d Bde shifted its area of operation to Binh Dinh Province. The 16th NVA Regiment has been confirmed in this area. No large scale resistance was met. Enemy forces killed during this period were two hundred and eight. Twenty-three enemy personnel were captured in action. Large caches of rice, other food, clothing, arms, and ammunition being

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discovered confirmed this area as a resupply base.

In the area northeast of An Khe (Binh Dinh Drovince), the location of the 7th NVA Regiment has three organic battalions, 7th, 8th and 9th Infantry Battalions. This region, known as Base Area 226, has long been a source of enemy activity and resupply.

- (3) 3d Bde (2-9 Arty, DB), Pleiku Province. On the 1st of August, 3d Bds continued operations against platoon and squad size elements in the 2de AO. Enemy activity during August was light. The enemy was believed to be recovering from operations during May and June. Mining incidents along Mighway 19 & 14 were the principle enemy activity during August. The enemy conducted harassing attacks and terrorist activities against villages and hamlets located throughout the AO. On 21 August, elements of Co C, 815th Eng, moving south on Hwy 14, were ambushed by elements believed to be from the 304th LF En. During the month of september enemy activity throughout the 3de AO remained light as NVA forces continued to accomplish resupply and refitting operations. Local VC forces continued their harassing tactics against hamlets and villages while NVA forces conducted limited heressing attacks against US fire bases. On 9 Sep 3/2-35 Inf engaged an estimated reinforced company, vicinity YA 863653, resulting in 25 NVA KIA. During October a significant change in enemy activity was the reported movement of the 2hth Regt HQ's from Cambodia to the Chu Pa Hountain Complex. Also there was evidence that the K-4 Bm, 24th NVA Regt attempted to move east, to interdict Hwy 19: On 25 Oct, 16 incidents were reported in the Pleiku and Kontum Provinces: 3/6-29 Arty received an estimated 72 82mm markers on 300710 Oct at YA 935588 from elements of the 24th NVA Regiment.
- (4) Tactical Area of Responsibility (TAOR) Camp Enari, Pleiku Province. During the reporting period enemy activity was light and sporadic. The enemy harassed friendly villages where CA teams are located. Sniping, small arms fire and infraquent morter and rocket fire were used in hit and run tactics. Significant incidents within the Division TAOR are listed below. On 12 Aug Plei Ring Dei received heavy small arms fire with 3 Montagnards WIA. During the night of 12-13 August the Plei Do Lim perimeter was penetrated by 15 VC resulting in 2 Montagnard children KIA. On 5 Sep 1st Bde 35 truck received heavy S/A fire from an estimated 20 VC at AR 820325 with no friendly casualties. On 15 Sep a DISCOM patrol was engaged with S/A fire by 12 individuals in the vicinity of ZA 214408, negative casualties. At 202325 Sep 1 38 soldier was wounded when a DISCOM patrol received 30 rounds S/A at ZA 155356. Pleiku Sector reported that on 26 Sep, 20 Catecka Tea Plantation workers received a propaganda lecture from 30 VC. The CA Team and indigenous personnel from Plei Breng detained 1 suspect WC with documents on 16 Oct 69. Suspect later was confirmed to be a member of local VC political cadre operating in the area at Plei Breng. At 201820 Oct LRRP element 7, vic ZA 180410 detained one Montagnard male in civilian clothes carrying a French submachine gun. After interrogation the individual was declared a PW. At approximately 232200 Oct, 50-60 VC entered Plei Pang and told the villagers to resist US efforts in the village and grow rice for the VC. Plei Do Lim received 10 rounds of mortar resulting in 2 WIA

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(Montagnard men) and 1 KE. (Montagnard woman) on 25 Oct 69. On 25 Oct, a PF element at Bau Canh attacked by enemy plateon with 7 PF MIA, enemy casualties were unknown. On 26 Oct, Plei Do Lim received 10 mortar rounds from AR 840296 with no friendly casualties: Camp Eneri received 3 122mm rockets on 27 Oct with no damage or injuries. SEL was determined to be ZA 192359. Further investigation of SEL revealed a 20 foot trench with 5 burn marks.

#### b. Survey.

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- (1) Division Artillery: During the reporting period, the survey section continued to provide 5th order survey of friendly villages and the Neuyen Thi-Thi Coffe Plantation. Resulting data was relayed to the fire direction center at Comp Enari.
- (2) 6th Battalion, 29th Artillery: The survey section continued to provide 5th order survey for firing battery locations within the Brigade AO.
- (3) 4th Dattalien 42d Artillery: Battalien survey continued to provide support for the firing batteries as needed. With the decrease in enemy activity the battalions requirements were limited. This allowed the survey section to aid the 2/8th Infantry Battalion in surveying mortar positions and maintain proficiency.
- (4) 2d Satt-lien 9th Artillery: Survey was provided to the battery end 4.2" morter platoon located at LZ Moredith. Traverse and resection surveys were also performed for LZ Jean, LZ Jene, LZ Bison II, LZ Melody, LZ Bith, LZ Beatrice, LZ Old Plei Bjereng, LZ Delta. Adequate control was provided to all units in the AO.
- (5) 5th Battalion 16th Artillery: The survey section continued to provide 5th order survey to several battery positions within the Division AO.

### e. Radar: (AN/TPS-25)

The AN/TPS-25 ground surveillance radir operated for 896 hours and 30 minutes with 22 non-operational days. Principal reasons for non-operational days was the lack of replacement parts:

6 days - Generator non-operational.

16 days - Parts for the magnetron linear range pot, Power Supply Receiver transmitter were not available.

There were 208 radar contacts during the reporting period. 60 of the acquired targets were engaged with 362 rounds of artillery and mortars. Subsequent ground sweeps of radar locations revealed the following:

(1) Two bunkers were discovered and dostroyed.

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- (2) Four tunnels were discovered and destroyed.
- (3) Sweeps of three areas produced blood trails.

The radar was used to vector gunships over a radar contact at night. The radar was used in conjunction with a IOH to obtain grids of single houses and other friendly locations within the Division TAOR.

#### d. Roder (AN/NPQ-4)

2d Battalien 9th Artillery. The AN/APQ-4A countermorter radar was operational for 1165.8 hours with 15.5 hours of downtime. Downtime was the result of replacing a power cable, thyratron tube and azimuth drive motor. 47 registrations were conducted during the reporting period. Ten countermorter/counterrocket SEL were acquired during the reporting period. None of the ten attacks were low angle. Only one of the attacks was mortar. All SELs were engaged with counterfire artillery and mortars.

6th Battalian 29th Artillery. The countermortar radar section was operational for 700.3 hours during the reporting period. The AN/APQ-44 was non-operational for 30 days for the replacement of a thyratron and a magnetron. The radar was moved from LZ Action to An Khe on 7 Sep and then to LZ Denise on 30 Sep 69. 50 registrations were conducted during the period of 1 Aug to 31 Oct. 5 SKLs were acquired and fired upon with artillery and mortans.

4th Battalion 42d Artillery. The AN/MPQ-4 Radar Set remained at Kontum Air Field until 15 October. During this period there were four known indirect fire attacks. Suspected enemy locations were detected oven though the attacks were of short duration. Fire was returned on two enemy locations. The AN/MPQ-4 radar set was non-operational a total of 35 hours on three separate occasions. Three major components had to be changed in the transmitter during this time.

On 15 October the section was transferred to Camp Enari near Pleiku. Since 15 October, the radar set has been operational.

#### 3. (C) Operations:

- a. Plans. During the period the 4th Infantry Division participated in Operation Hines and Washington Green. The operations ran concurrently and are still in progress.
  - (1) Operation Hines 312400 Jan 69 Present.

The 4th Infantry Division conducted sustained, coordinated, and combined operations to destroy enemy units, destroy or neutralize enemy base areas, and interdict infiltration routes.

(2) Operation Washington-Green 151200 Apr 69 - Present.

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The 4th Infantry Division conducted operations in support of the 1969 GWI Pacification and Development Planto destroy VCI, support units and local force units; support Province/District operations by clearing and protecting areas designated for pacification, and conducting intensive civil affairs operations.

- b. General. The 4th Infantry Division operated in the three Brigade concept, each with a 105 howitzer artillery battalion in direct support. GS and GSR artillery was positioned so as to reinforce vulnerable areas and provide maximum support to maneuver units, critical installations, and the friendly indigenous forces and population. In addition to the Brigade Areas of Responsibility the Division Artillery was responsible for the area around Camp Eneri. The areas of operation will be discussed separately.
- (1) The 6th Dm 29th Arty, in direct support of the 1st Bde, 4th Infantry Division, operated in the area of Camp Radcliff, An Khe (3R465467). The 1st Bde conducted search and destroy operations throughout the area of operations from the Mang Yang Pass (DR228513) to the An Khe Pass (DR608456). Most of the contacts with enemy forces were small, and the majority were along highway 19. Maneuver forces and artillery fires were directed so as to destroy enemy forces as well as to prevent attacks against populated areas and critical installations along highway 19. A program to train indigenous forces in artillery adjustment was also established and proved very successful. Artillery batteries were frequently split so as to give greater area coverage.
- (2) The 4th En 42d Arty was in direct support of the 2d Bde, 4th Infantry Division during the entire period, and operated in the Kontum Province to the North and West of Pleiku, until 21 Sep 69. Contacts were few and enemy activity was light. Due to the increase of small unit operations the artillery made greater use of "hip shoot" positions to give greater coverage by artillery fires. On 21 September the 4-42 Arty shifted its area of operations to Binh Dinh Province in response to increased enemy activity. A/6-29 Arty was placed OPCON to the 4-42 Arty and the fires of C/5-16 Arty (155SP) and D/5-16 (-) (8 BP) were controlled by the 4-42 Arty. Large caches of rice, weapons, and ammunition were found, in addition to 208 enemy KIA and 23 enemy CIA. A Tactical Command Post was established at FSB Hardtimes (BR613606) to control the operation called Patnam Cougar". The operation terminated on 28 Oct 69 and the 4-42 Arty (-) displaced the TAC CP to the vicinity of PS880060 (FS3 English) to conduct operations in the An Lao Valley.
- (3) The 2d Bn, 9th Arty w s in direct support of the 3d Bde, 4th Infantry Division during the reporting period. The Tactical Command Post was collocated with the 3d Bde headquarters at FS3 Oasis (ZAll4275) until 27 Oct when the entire control element displaced to Camp Enari (AR801349), the 4th Infantry Division base camp. The 3d Bde area of operation was relatively quiet throughout the reporting period, characterized by light enemy contacts with enemy forces using small scale hit and run tactics.

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- (4) The defense of Camp Enari was the responsibility of Division Artillery. The area, generally circular in shape, included Camp Enari and the area within approximately 12 kms of the base camp. To defend Camp Enari, four 105mm howitzers, three 155mm howitzers (SP) and mortars were placed under the control of 5-16 Arty and fired in support of the Camp and any friendly forces in range. Patrolling, aerial observation and search and cordon operations in the Tactical Area of Responsibility (TAOR) discovered few significant enemy activities. An active night firing program was conducted throughout the reporting period firing on suspect enemy locations, past and possible mortar/rocket positions.
  - c. Artillery expenditures for the period are shown at Inclosure 3.

#### 4. (C) Training:

- a. General. The Division Artillery continued with scheduled training as required by 4th Infantry Division Regulation 350-1. Emphasis on cross training of personnel continued in all Division Artillery units.
- b. Division Artillery. Division Artillery conducted replacement training for newly assigned Liaison Officers and Forward Observers. In addition, three classes for non-artillerymen were conducted on the daties of the forward observer. The classes and dates were as follows:

(1)	TYPE CLASS	DATES	NUMBER ATTENDING		
	Liaison Officer	23-24 Au3 69	5		
	Forward Observer	1-3 Aug 69 19-20 Aug 69 8-10 Sep 69 27-29 Oct 69	. 4 2 9 6		
	Non Arty Forward Observer	8-9 Aug 69 19-20 Aug 69 21 Oct 69	9 5 6		

- (2) The POI for the above courses is as follows:
- (a) Lisison Officers:

Artillery Adjustment	8	Hours
Rules of Engagement	2	Hours
Lessons Learned	1	Hour
Improved Conventional Hamitions	1	Hour
Fire Planning	2	Hours
Duties of the Liaison Officer &		
Application of Fire Planning	4	Hours
Communications	2	Hours

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#### (b) Forward Observers:

Artillery Adjustment	0 Hours
Rules of Engagement	2 Hours
Lessons Learnod	1 Hour
Expressed Conventional Munitions	1 Hour
Fire Planning	2 Hours
Land Navigation	6 Hours
Responsibilities of the FO	3 Hours
Survival	2 Hours
Communications	2 Hours

#### (c) Non-Artillery Forward Observers:

Communications	2 Hours
Artillery Weapons	liour
Artillery Employment	1 Hour
Target Location and Bracketing (Bragon Mt)	4 Hours
Artillery Adjustment	2 Hours
Benger Close Adjustment	3 Hours
Sciety and Rules of Magagement	34 Hours
Map/Land Maviention	8 Hours
Beview	2 Hours

- (3) Fifteen officers also attended the IFFV Artillery Fire Direction Course during the reporting period.
- c. Battalion Training. The field artillery battalions in Division artillery conducted unit and individual training whenever the tactical situation permitted. Training was conducted in all the mandatory subjects with special emphasis on safety, commissations security, K-16 care and maintenance and O.R. Units were also given training in enemy segmentations and the safe handling of US and enemy manualities.
- d. Artillery Assistance Training. Division Artillery units continued with an aggressive assistance program throughout the reporting period. Battalians instructed supported Infantry units in proper adjustment of fire techniques. Liaison Officers and Forward Observers also gave classes in the proper planning and utilization of artillery fire. Classes in artillery adjustment were also given to special forces personnel, American Advisors, ARVN and Regional Force/Popular Force units, MSF personnel and civil affairs personnel. The 4.2"/81mm morter battery located at Camp Emeri and controlled by the 5-16th Artillery conducted MOS and refresher training for morter crewmen.

#### 5. (C) Logistics:

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- a. Current Stockage The ammunition stockage at Mary Lou and Oasis was eliminated because of changes in tactical operations.
  - b. Basic Loads of Ammunition.
- (1) Current basic loads of ammunition continued at the same level stocked in previous quarters.

WEAPON .	TYPE AND IT ION	STOCKAGE AT MOSITION
105 Howitzer (5 tubes)	HE ILL WP SMK	1250 100 100 100
155 Howitzer	HE ILL W? Sik	750 80 80 60
8 Inch	HE	400

- (2) Variations of stockage at battery positions were authorized based on enemy contact and imminence of unit movement.
  - c. Amminition Supply Rates
  - (1) 105mm

PERIOD	ASR	FIRED	TACTICAL SAVINGS
<b>241801</b> July - 091800 Aug	27.2	26.7	+ •5
091801 Aug - 241800 Aug	26.2	26.0	+ •2
*241801 Aug - 091800 Sep			****
*091801 Sep - 241800 Sep	****		
*241801 Sep - 091800 Oct		****	***
091801 Oct - 241800 Oct			

- \* No restriction on 105HE during the period 241801 Aug-241800 Oct 1969.
- (2) 155mm

PERIOD	ASR	FIRED	TACTICAL Savings
241801 July - 091800 Aug 091801 Aug - 241800 Aug *241801 Aug - 091800 Sep	20.6	14.0 20.6	0.0

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#091801 Sep - 241800 Sep	<b>H</b> way	·	es es es es
*241801 Sep - 091800 Oct	****		
#091801 Oct - 241800 Oct	<b></b>		***

\* No restriction on 155HE during this period.

#### (3) 8 Inch

PERIOD	ASR	FIRED	TACTICAL SAVINGS
241801 July - 091800 Aug	21.5	20.7	<b>+ .</b> 8
091801 Aug - 241800 Aug	23:3	23.2	<b>+ .1</b>
241801 Aug - 091800 Sep	21.3	21.3	0.0
091801 Sep - 241800 Sep	16.7	16.7	0.0
#241801 Sep - 091800 Oct	***	****	
*091801 Oct - 241800 Oct	<del>mi</del>	hono	

<sup>\*</sup> No restriction on 8 Inch HE during this period.

#### d. Equipment

(1) Deadline rates during the period 24 July 1969 - 24 October 1969.

ILEW	DOWN DAYS	D/L
Truck 1/4 Ton Truck 3/4 Ton Truck 2 1/2 Ton Truck 5 Ton Truck 5 Ton Wrecker Carrier 577 Carrier	215 637 1138 369 203 17 289	2.8 8.7 14.1 17.6 5.6 2.4 15.3
ITIM	DOWN DATS	<u>D/L</u>
Howitzer MOIA1 Howitzer MO2 Howitzer MO9 Howitzer MIO	50 49 354 37	1.5 2.9 21.6 10.6

- (2) The overall vehicle deadline rates increased during the period due to the fact that repair parts for vehicles have been extremely difficult, and in some cases impossible, to obtain, example, brake shoes, exhaust pipes for 22 ton vehicles, inner wheel seals and wheel cylinders for the 3/4 ton vehicles.
- (3) Howitzer deadlines have increased considerably because of the high rate of sustained fire over the past 60 days.

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#### 6. (C) Organization

a. Strength. Authorized and assigned strength as of the end of the reporting period were as follows:

(1)	AUTHORIZED:	UNIT	OFF	WO	EM	AGG
		1:H3 5/16 6/29 4/42 2/9	孙 孙 33 38	11 2 3 3 3	164 577 479 479 479	213 612 526 526 526
(2)	ASS IGNED:	HHB 5/16 6/29 1/42 2/9	39 34 36 37 36	11 2 2 3 2	157 545 399 420 414	207 581 437 460 452

b. Replacements and Rotations: Division Artillery received a total of 63 officers and 322 enlisted replacements. During the same period, 93 officers and 524 enlisted men rotated.

#### c. Casualties:

UNIT	K IA	AUGUS!	- MIA	KIA	SEPTER	- MIA	K IA	CTOBER	
ННВ	0	0	0	0	0	0	0	1	0
5/16	ō	ō	Ŏ	Ō	Ö	Ö	ō	2	Ŏ
5/ <b>2</b> 9	0	9	0	0	2	0	0	18	0
4/42	0	l	0	0	2	0	0	6	0
2/9	1	0	0	0	Ь	0	ı	և	0

- d. Morale and Personnel Services:
- (1) Awards and Decorations. During the reporting period, the following awards were awarded:
  - (a) Medal of Honor: None
  - (b) Other Awards:

UNIT	DSC	<b>S</b> S	ΙM	DFC	3M	BSV	BSA	DSS	V:1A	MA	achiv	ACMS	ACMA	23
нна 5/16 6/29	0	0	0	0	0	3	0	<b>2</b> 6	0	3	19	110	0	0

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THIE	DBC	<u>33</u>	<u>IM</u>	DFC	SM	<u>38V</u>	BSA	D3S	AHV	AM	ACHIV	ACIB	ACMA	<u>?H</u>
14/42	0	0	0	0	0	3	1	22	0	9	12	73	0	3
2/9	0	1	0	0	0	3	0	19	0	10	2	87	0	n
TOTAL	0	3 ~	0	C	0	16	3	103	0	54	63	377	<b>2</b> .	30

(2) Promotions. Total promotions by grade during this reporting period are as follows:

UNIT	ह्य	<u> </u>	<u>B6</u>	E7	<u> 186</u>	<u>E9</u>
5/3 6/ <b>29</b> 9/16 HE3	23 142 98 78 93	15 69 56 52 49	2 9 8 5 3	0 1 3 0	0 0 0 0	0 0 0 0
TOTAL	434	241	27	5	1	0

- (3) Rest and Recuperation. During the reporting period Division artillery received 678 R & R Allocations and used 671.
- 7. (C) Other
  - a. Aviation.
  - (1) Aircraft Status.
  - (a) Disposition of aircraft during reporting period.
    - 1. 1 Aug 10 Aug: 9 aircraft authorized, 7 on hand.

    - 2. 19 Aug 26 Aug: 9 aircraft authorized, 7 on hand.
      3. 27 Aug 1 Sept: 9 aircraft authorized, 8 on hand.
      4. 2 Sept 5 Sept: 9 aircraft authorized, 8 on hand.
      5. 6 Sept 9 Sept: 9 aircraft authorized, 9 on hand.
      6. 10 Sept 20 Sept: 9 aircraft authorized, 8 on hand.
      7. 21 Sept 22 Sept: 9 aircraft authorized, 7 on hand.
      8. 23 Sept 16 Oct: 9 aircraft authorized, 8 on hand.

    - 9. 19 Oct 31 Octs 9 aircraft authorized, 7 on hand.

b. During this period of three months, the aviation section continued with the schedule of turning in the older OH-6A aircraft for the new 68 series OH-6A helicopters. The following OH-6A were turned in for re-issue to another units

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135 on 26 Aug, 552 on 9 Sept, and 565 on 20 Sept. Aircraft 635 was turned in on 18 Oct as unserviceable with tail boom problems. The new 68 series aircraft received during the period were: 248 on 19 Aug, 213 on 2 Sept, 271 on 6 Sept, and 141 on 23 Sept. Two additional 68 series OH-648, which should be received during the next month, will finally bring the section up to full strength of 9 aircraft, as authorized.

#### (2) Personnel.

- (a) The officer and enlisted personnel situation remained fairly stabilized over the reporting period. Looking forward to numerous enlisted personnel losses due to DEROS in the coming quarter, an extensive training program is continuing for the newer crew chiefs. One Major, the aviation officer, transferred to division to become the Assistant Division Aviation Officer. The aviation officer position was then assumed by a Captain upon his extension in Vietnam for 6 months. One Captain DEROS'D, and one Captain transferred into the unit from the 1/10th Cavalry. One Warrant Officer and two enlisted men joined the unit after arrival from Conus. Neither of the two new crew chiefs were school trained for maintenance on the OH-6A. One enlisted PLL clerk was transferred to another section of the Headquarters Dattery. The senior enlisted men, currently occupying the section chief position, has extended his tour an additional 6 months.
  - (b) Personnel status at the end of the reporting period:

#### Officer status:

- 1 aviation officer authorized (Major) 1 assigned (Captain)
- 6 commissioned officers authorized 4 assigned
- 7 warrant officers authorized 7 assigned

Enlisted status:

- 20 enlisted men authorized
- 15 enlisted men assigned

#### (3) Operations

Due to the close proximity to Camp Eneri of three of the assigned artillery battalions (2/9th, 5/16th, and 4/42d) supported by the Division Artillery Aviation Section, all aircraft except one were based at Camp Eneri rather than with the individual units at the beginning of this reporting period. This policy resulted in continuously high aircraft availability rates because the section was able to rotate aircraft and aviators daily. A high quality of aircraft maintenance was achieved due to the excellent facilities and equipment available at the organizational level at Camp Eneri and to the outstanding assistance received from the 704th Maintenance Battalion. One aircraft, with pilot and two crew chiefs, remained forward at An Khe in support of the 6/29th Artillery Battalion. This measure was due to the usually poor weather conditions between Camp Eneri and An Khe in the vicinity of the Mang Yang Pass area.

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On 21 Sept, a second aircraft with pilot and crew chief moved to An Khe in support the 1/12 Artillery Battalion. Several attempts were made to keep a third aircraft in An Khe, to permit rotation of the three aircraft between the two units, but a continuous shortage of aircraft on hand plus normal maintenance downtime disrupted the effort.

Emphasis during this period was on a new, intensified safety program, which has resulted in a zero accident rate thus far into the fiscal year. Areas that were strengthened include the Safety SOP, safety meetings, posters, bulletin boards, a required reading file, and a "Share It" program. A vigorous training program, with the completion of OH-6A Instructor Pilot training by two aviators; resulted in more than the minimum training hours required for each pilot. Three engine failures during training periods were successfully autorotated with no damage to the aircraft.

#### (4) Summary

•	<b>AU</b> G	SEP	OCT
Hours Flown	392	176	570
Passengers Carried	2310	2095	2304
Cargo Carried	5 Tons	2 Tons	2 Tons
Sorties Flown	1433	1261	1454

Aircraft utilization continued to improve, with more efficient and better planning of missions by the artillery battalions. Non-productive time has remained low and needless orbiting time on artillery adjustment missions was reduced by having grids cleared and the howitzers ready to fire before the aircraft was launched. An attempt is being made to decrease the amount of cargo carried because this is not the mission for a IOH (Light Observation Helicopter) and it reduces the life of the sections new series aircraft.

	AUG	SECT	OCT
Percent Availability	83%	J8%	82%
Percent NORS (EDP)	11%	5%	13%
Porcent NORES	64	74	<b>4</b>

Aircraft availability has slowly climbed with each replacement of the new 68 series OH-6A, after the bugs are worked out of the new aircraft. The quantity and quality of the slave pack avionics system in the new series IOH is far superior to that of the earlier model, with increased range, greater reliability, and back up radios if one fails. The support maintenance facility now has its supply channels set up and a store of float radios available.

The past reporting period has seen a high increase in efficiency, quality, and work finished in quicker time by the direct support maintenance battalion. The parts situation for the OH-6A has been good except in a few cases for critical items. In these cases, the aircraft has usually been down for a considerable period of time for that critical part (i.e. 271 was EDP engine oil seals in Qui Nhon for a month). Aircraft maintenance has not been totally

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adequate for the sircraft stationed forward because of the lack of facilities and water svailable. Continued emphasis on the quality of maintenance and crew chief training plus the addition of two more aircraft on hand should result in continued high availability rates. Continued education for the supported units as to the efficient utilization of aircraft, safety procedures around aircraft and pads, and loading and unloading procedures of helicopters is planned.

#### b. Chaplain.

- (1) For the quarter, 1 August 1969 31 October 1969, the Div Arty Chaplain Section submits the following record of its activities. The section consists of two chaplains (one Protestant and one Catholic) and two assistants. The major accomplishments were as follows:
- (a) Conducted 32 Protestant Worship Services with a total attendance of 997 (including Memorial Services).
- (b) Conducted 109 Catholic Masses and Services with a total attendance of 2610 (including Memorial Services).
  - (c) Made a total of 37 visits to men in the hospital.
- (d) Made daily visits to troops located at base camp and an average of four visits weekly to men in forward fire bases.
  - (e) Attended three monthly conferences for chaplains.
  - (f) Conducted 24 Character Guidance classes, with a total attendance of 820.
- (2) In addition to regular coverage of Div Arty units, the office provided coverage for the following units:
  - (a) 124th Signal Battalion (Companies A and C).
  - (b) War Dog Detachment.
  - (c) 278th Signal Company.
  - (d) 4th Battalion, 60th Artillery (Dusters).
  - (e) Company K, 75th Rangers.
  - (f) CA villages.
  - (g) Dragon Mountain personnel.
  - (h) Division units co-located with artillery units.
- (3) The Div Arty Chapel was also used for special worship services, to include:
  - (a) 12 Jewish Services with a total Of 129 in attendance.
  - (b) 13 Letter Dry Saints Services with an attendance of 140.
  - (c) 12 Church of Christ Services with an attendance of 80.

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c. Signal. During the reporting period, Division Artillery used the following means of communications: VHF and wire, secure and plain FM Radio, Radio Teletype, and messenger. The communications portion of the ORLL is divided into two parts: artillery communications, and base camp defense communications.

#### (1) Artillery communications:

- (a) VHF and WIRE: Division Artillery operates no VHF systems, but uses VHF circuits provided by the Division Signal Battalion and the area system provided by the L3rd Signal Battalion. Primary VHF circuits include one to each forward direct support battalion, two to Group Artillery, and one circuit to subordinate Group Battalions when required. Local service is provided primarily by the base camp dial system. Wire hotlines are provided to the Fire Support Coordination Element, the Division Tactical switchboards, the 155 battalion headquarters, its operations center, and its FDC. Hotlines are provided to those locations required by ICC for base camp defense coordination. (See para b.)
- (b) FM Radio: The following nets provided the majority of Div Arty FM communications during the reporting period: Div Arty Command Fire Alpha (Secure), Air-Ground, Survey, Sector Defense, and Base Comp Command (MC) nets. A Command Fire Bravo frequency is also available when required.
- (c) Radio Teletype: Div Arty maintains a 24 hour RATT net with subordinate battalions using AN/GRC-142 radio systems. This headquarters also operates a station in the Division Special Purpose net, providing an alternate RATT route to the artillery battalions co-located with the Brigades, who also operate stations in the Special Purpose Net. Mounted AN/GRC-142's are provided to the forward Div Arty CP (when activated), to Battalion TAC CP's (when activated), and to any artillery batteries operating beyond FM radio range.
- (d) MESSENGER: Messengers are used within base camp extensively, and the forward areas as required.
- (2) Base Camp Defense Communications: As Division Artillery has the additional mission of coordinating base camp defense operations, additional wire and radio communications are required for this purpose.
- (a) Wire: The control center for base camp defense operations, ICC, has direct lines to G3, 4th Avn and 4th Med, the CG bunker, Dragon Mountain Switchboard, TPS-25 Radar, and a hot-loop to all sector control centers. Routine communications are provided by the dial system. Div Arty also installed and supervises maintenance of signal circuits from sensor devices installed around the base camp perimeter.
- (b) Fi radio: Fi provides communications to the sector control centers, to patrols, villages, and aircraft in the base camp TAOR. Secure voice is used continuously.

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- d. Civil Affairs.
- (1) Givic Actions.
- (a) During the reported period, the Division Artillery S-5 had staff supervision of the Civil Affairs Teams of the 5/16th Artillery Battalian; Headquarters Battery, Division Artillery; 124th Signal Battalian; Headquarters Company, 4th Division and the 4th Military Police Company. These teams operated in the villages and hamlets within the south western sector of the 4th Division's Tactical Area of Responsibility.
- (b) Continued emphasis has been placed on medical assistance projects to improve the health of the Montagnard people in the villages. Two village consolidations were immunized for plague for a total of 977 villagers. There were also 20 villagers immunized for smallpox.
- (c) The new IR-5 rice introduced to the Montagnards was harvested and demonstrated to the people that the new rice was a fast growing rice with yields much greater than the Montagnards had expected. Plans are being made to replant suitable areas for a second crop.
- (d) During this period there were 30 P3DF personnel from the village of Plei Ho By sent to Le Trung District for training. Upon completion of training, the villagers will become Popular Forces and will return to the village to provide security. Upgrading the PSDF to PF status is a step toward bringing the village under GWH control and qualifies the PF's to receive pay for their work.
  - (2) Psychological Operations.
- (a) The Cultural Drama Team from Pleiku Province visited in the villages of the Division Artillery's Sector during this period. The themes presented were oriented toward Anti-VC, GWN Image and Village Development.
- (b) One consolidated village was visited by an Audio-Visual movie team from Pleiku Province. Themes presented were oriented toward Anti-VC and GVN Image.

SECTION II (C) Lessons Learned: Commander's Observations, Evaluations, and Recommendations.

- 1. (U) Porsonnel: None.
- 2. (U) Intelligence: None.
- 3. (C) Operations:
- a. Observation: Due to the requirement to split artillory batteries in order to increase coverage, it became necessary to provide batteries with

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additional FDC capabilities.

Evaluation: Medium artillery batteries are authorized one M577, heavy batteries two, and battalien operations two. The limited employment of a conventional battalion FDC permits the use of the battalion FDC by a firing battery during a split configuration or during a hip shoot. Use of the Dn M577 permits greater flexibility, mobility, and faster emplacement in a firing position.

Recommendation: The M577 normally assigned to battalion operation be used whenever possible to assist firing units that are split.

b. Observation: Enemy elements use the noise of night firing programs to cover the noise of movement, in preparation of an attack on the firebase.

Evaluation: During the conduct of night firing programs there have been attacks on artillery firebases on two occasions during the reported period.

#### Recommendations:

- (1) Units do not set patterns (certain times) for night firing programs.
- (2) Night firing programs are not fired for extended periods without

lulls.

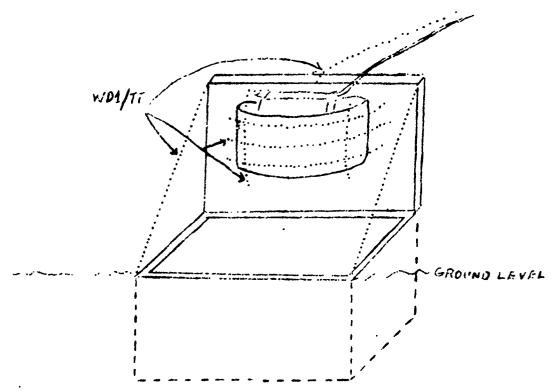
- (3) Outposts be especially watchful during times of firing and immediately thereafter.
- (4) Organic infentry weapons (mortars) concentrate fire close to the perimeter during NFP to deter enemy movement.
- c. Observation: Claymore mines (MISAL) are subject to observation by the enemy, detonation by lightning (causing friendly casualties) and displacement from aiming point when struck or the firing wires are pulled.

Evaluation: By fixing the claymore mine to the lid of a box, and burying the box so that the top is level with the ground, the above problems are eliminated. WDL/TT wire is used to raise the lid from the firing position as well as keep the lid vertical (see drawing). In case of detonation by lightning or accident, the blast is directed upward and the fragments into the ground. If an individual trips on the wire the mine is not displaced. The use of the box also prevents the enemy from observing the mine when in position and also reduces the possibility of turning the mine toward friendly troops. Waste oil is poured into and onto the wooden box to prevent deterioration by weather or insects. To fire the mine, the lid is raised to the vertical position (by the WDL/TT) and the mine is fired.

Recommendation: That claymore mines be placed inside boxes as shown on page 19.

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#### 4. (U) Logistics.

Observation: Maintenance problem of SP howitzer are magnified when the howitzer remains in one position for extended periods of time and first at a high rate.

Evaluation: On several occasions units have been ordered to displace after being in position in excess of 30 days. Seals, fuel pumps, suspension systems have developed problems during the move. Short road marches for howitzer have been adopted permitting simultaneous road test and exercise of the carriage.

Recommendation: That scheduled road tests be conducted on howitzer as often as tactically feasible.

- 5. (U) Training: None.
- 6. (U) Organization: None.
- 7. (U) Communications: None.
- 3. (U) Material:

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a. Observation: The IR-5 rice cro at the village of 'lei Klan Ngol was 80% destroyed by birds.

Evaluation: The new IR-5 rice which was introduced to the Montagnards was highly successful in its growth cycle and reached maturity very close to the scheduled date. The rice, having an earlier date of maturity than the locally grown rice, afforded an abundance of food for the birds in the surrounding areas. Scarecrows were put out in the fields but were ineffective against the birds. During the daytime, the villagers stayed around the fields and kept the birds away. In the late evening when the people returned to the village, the birds would converge on the rice field and steal the rice.

#### Recommendation:

- (1) To delay planting the new rice to a time when the new rice would mature at the same time as the locally grown rice. This would afford a greater area for the birds to find food and they would not concentrate on just one rice field.
- (2) To develop a more effective scarecrow system to keep the birds away.
  - b. Title: Fish Pond Construction.

Observation: Consideration was not made for the monsoon rains when a fish wond was built in the village of Plei Klan Ngol, consequently, when the heavy rains came, the dam was destroyed.

Evaluation: In an effort to construct a fish pond in the village of Plei Klan Ngol, the dam was constructed across a rice paddy and a small stream bed. A relatively large spillway was made to permit the overflow of water. The fact that the CA Team was unaware of the quantity of water which the stream carries during the monsoon season was the reason for the destruction of the dam.

Recommendation: That fish ponds not be constructed across stream beds, but along the edges of the stream where w ater will be available throughout the year and where the dams will not be affected by the monsoon rains.

5 Inclosures

1. Artillery Task Organization

2. Commanders & Principal Staff

3. Ammunition Expenditures

Chronological Summary

5. Map of Division AO

Incls 2 and 4 wd HQ, DA

Colonel, FA Commanding

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AVDDH-GC-iH (31 Oct 69) 1st Ind SUBJECT: Operational Report of Division Artillery, 4th Infantry Division for Period Anding 31 October 1969

DA, AEADQUARTERS 4TH INFANTRY DIVISION, APO SF 96262 11 November 1969

Commanding General, I Field Force Vietnam, ATIN: AVFA-GC-HIST, APO SF 96262

(U) This headquarters has evaluated and concurs with the Division Artillery Operational Report - Lessons Learned.

FOR THE COMMANDER:

GORDON J. DUQU. Colon 1, GS Chief of Staff

AVFA-GC-HIST (31 Oct 69) 2d Ind (U) SUBJECT: Operational Report of Division Artillery, 4th Infantry Division for Period Ending 31 October 1969 RCS CSFOR-65 (R2)

DA, Headquarters, I Field Force Vietnam, APO 96350

TO: Commanding General, United States Army Vietnam, ATTN: AVHCC-DST, APO 96375

(U) This headquarters has evaluated subject ORLL and forwarding indorsement and concurs.

FOR THE COMMANDER:

1) Munelle Des COME, REPEDERICK E. HOLLA:10

ILT AGC ASST AG

CF:

1 - CG, 4th Inf Div

1 - CO, 4th Inf Div Arty

AVECC-DST (31 Oct 69) 3d Ind

SUBJECT: Operational Report-Lessons Learned, 4th Infantry Division Artillery Period Ending 31 October 1969, RCS CSFOR-65 (R2)(U)

HEADQUARTERS, UNITED STATES ARMY, VIETNAM, APO San Francisco 96375 30 JAN 1979

TO: Ocumander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 October 1969 from Headquarters, 4th Infantry Division Artillery and comments of indorsing headquarters.

#### 2. Comments follow:

- a. Reference item concerning "Claymore Mines", section II, page 18, paragraph 3c; concur. This is a method of employing claymore mines; however, it has limited application. The increased maintenance involved in keeping the device in operating condition negates its advantages. Claymores should be inspected and relocated daily. Their employment depends upon the enemy situation and is left to the discretion of the unit commander.
- b. Reference item concerning "IR-5 rice crops planting time", section II, page 20, paragraph 8a; concur. The recommendation is sound, however, the US Army is not in the agricultural assistance program. This should be coordinated with the USAID and Provincial Advisor teams at the local level.
- c. Reference item concerning "Fish Pond Construction", section II, page 20, paragraph 8b; concur. Coordination of such civic action projects should be initiated with CORDS and USAID advisors at province and district level and with the local GVN officials to solicit their advice and expertise on constructing projects of this nature. Guidelines on coordination of civic action projects are contained within existing directives and regulations.

FOR THE COMMANDER:

CPT AGE

Cy Furn: 4th Inf Div Arty I FFORGEV

Assistant Adjutant General

GPOP-DT (31 Oct 69) 4th Ind (U)

SUBJECT: Operational Report of HQ, 4th Infantry Division Artillery for Period Ending 31 October 1969, RCS CSFOR-65 (R2)

HQ, US Army, Pacific, APO San Francisco 96558 4 FEB 1970

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D. C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

C. L. SHORTT

#### ARTILLERY TASK ORGANIZATION

1. (C) Artillery Task Organization as of 1 August 1969.

1st Bde		2a Bde		3d Bde		
6-29th Art		4-42d Arty	DS	2-9th Arty	$\mathbb{D}S$	
<b>A/6</b> ∞29		. A/4-42	GS	A/2-9		1-14
B/6-29	DS 3-12	C/4-42	DS 1-22	B/2 <del>-9</del>	$\mathbf{D}\mathbf{S}$	2-35
c/6 <b>-</b> 29	DS 3-8			C/2 <b>-</b> 9	DS	1-35

Base Camp

HHB Divarty

5-16 Arty GS

5-16th (-)

K/5-16 (3-155)

BC Btry (6-105) (2-105 ex DB Arty)

3-4e2 Norters

3-81mm Mortars

Div Arty

5-16 Arty GS

A/5-16 GSR 2-9

B/5-16 GSR 6-29

D/5-16 GSR 6-29

2. (C) Supporting Artillery

52d Arty Gp
3-6th Arty GS
1-92d Arty GS
6-14th Arty GS
8-29 SIT
A/2-17th Arty GS
B/2-17th Arty GS
C/7-15th Arty GS

- 3. On 2 Aug 69, B/5-16 moved two tubes from Weigt-Davis Quarry (AR905114) to IZ St. George (AR849149), GSR 2-9.
- 4. On 3 Aug 69, A/1-92 moved two tubes from Dek To FSB 1 (ZBCO4116) to Arty Hill (ZA226535), GS.
- 5. On 4 Aug 69, B/6-14 moved two 175's from Dak To FSB 1 (ZBOC4116) to FSB 12 (YB873257), GS.
- 6. On 5 Aug 69, B/2-9 moved two tubes from LZ Patsy (ZAO80215) to LZ Bridgit (ZAO15164), DS 2-35.
- 7. On 6 Aug 69, B/5-16 moved one tube from Weigt-Davis Quarry (AR905114) and two tubes from LZ St. George (AR854144) to LZ Ossis (ZA114275), GSR 2-9.
- 8. On 6 Aug 69, B/2-9 moved four tubes from IZ Patsy (ZAO80215) to IZ Meredith (YA916277), DB 2-35.
- 9. On 7 Aug 69, A/1-92 moved two tubes from Arty Hill (ZA226535) to IZ Bison II (YA898357), GS.
- 10. On 8 Aug 69, C/7-15 moved one 175 from LZ Blackhawk (BR035535) to LZ Schueller (BR361458), GB.

Incl 1

- 11. On 9 Aug 69, A/1-92 moved 4 tubes from LZ Elaine (YA863262) to LZ Bison II (YA898357), GS.
- 12. On 11 Aug 69, 3/2-9 moved 2 tubes from LZ 3ridgit (ZAO15164) to LZ Meredith (YA916277).
- 13. On 12 Aug 69, A/2-9 moved 2 tubes from Plei Me (ZA155065) to St George. A/2-9 moved 2 tubes from LZ St. George (ANSShilli) to LZ Sylvia (AR805211). A/5-16 moved 2 tubes from Rock Quarry (ZA058315) to LZ Sylvia (AR805211).
- 14. Cn 14 Aug 69, C/4-42 moved three tubes from LZ No Slack (YB997060) to Mary Lou (ZA228838).
- 15. On 15 Aug 69, C/4-42 moved 3 tubes from LZ Mary Lou (ZA228838) to Arty Hill (ZA228533). B/6-29 moved 2 tubes from LZ Marcia (HR032399) to Camp Radcliff (HR465467). A/2-9 moved 2 tubes from LZ Sylvia (AR805214) to LZ St. George (AR854144). C/1-92 moved 4 tubes from LZ Bass (ZA029937) to LZ Mary Lou (ZA228838).
- 16. On 16 Aug 69, C/1-92 moved 4 tubes from LZ Mary Lou (ZA228838) to Plei Mrong (ZA113675). A/249 moved 2 tubes from LZ St. George (AR854144) to AQ866917. C/4-42 moved 3 tubes from LZ Nichole (ZA173784) to LZ Mary Lou (ZA228838). A/5-16 moved 2 tubes from LZ Sylvia (AR805214) to FSB Rock Quarry (ZA057313).
- 17. On 17 Aug 69, C/4-42 moved 3 tubes from LZ Mary Lou (ZA228838) to Arty Hill (ZA228533). A/5-16 moved 2 tubes from the Rock Quarry (ZA057313) to LZ Sylvia (AR805214).
- 18. On 18 Aug 69, C/6-29 moved from LZ Toughie (BR553680) to LZ Denise (BR520512).
- 19. On 19 Aug 69, C/5-16 moved 3 tubes from LZ Emelia (BRL77595) to LZ Hard Times (BR613606) and 2 tubes from LZ Emelia (BRL77595) to LZ Action (BR26LL7C).
- 20. On 20 Aug 69, B/2-9 moved two tubes from LZ Meredith (YA916277) to LZ Lynne (YA866133).
- 21. On 21 Aug 69, A/2-9 moved two tubes from AQ866917 back to LZ St. George (AR854144).
- 22. On 22 Aug 69, C/2-9 moved 2 tubes from 12 Gypsy (ZAO60448) to LZ Buffalo IV (3 AO03411).
- 23. On 23 Aug 69, C/4-42 moved 3 tubes from Arty Hill (ZA228533) to IZ Ruth (ZA168530). B/6-29 moved from Camp Radcliff (BR465467) to BR229386 vic IZ Action. A/5-16 moved two tubes from IZ Sylvia (AR805214) back to FSB Rock Quarry (ZA057313).
- 24. On 25 Aug 69, A/6-29 moved from LZ Tappy (ER534604) to LZ atricia (BR383425). C/5-16 (3 tubes) moved from LZ Hard Times (ER613606) to Camp Radeliff (ER465467).

- 25. On 26 Aug 69, A/1-92 moved 2 tubes from LZ Bison II (YA89837) to New Plei Djereng (YA873457).
- 26. On 27 Aug 69, A/5-16 moved 2 tubes from La lock Guarry (ZAO57313) to Plei Me (ZA155065).
- 27. On 29 Aug 69, ./2-9 moved 2 tubes from LZ-8t; George (AR85h1h4) to LZ Barbara (AR760268).
- 28. On 30 kug 69, h/2=9 moved 2 tubes from LZ Barbara (AN760268) to LZ St. George (AR85h1hh).
- 29. On 31 Aug 69, C/S-14 moved one 175 from IZ Mary Lou (ZA228838) to IZ Thunder (ZA143897) and returned to IZ Mary Lou. C/1-92 moved 4 tubes from Plei Mrong (ZA116673) to Arty Hill (ZA228533).
- 30. On 1 Sept 69, B/6-29 moved 3 tubes from LZ Jo Ann (BR230399) to LZ Caster (BR162334). C/5-16 moved 2 tubes from LZ Action (BR264470) to Camp Radcliff (BR465467). C/1-92 airlifted 2 tubes from Pleiku to EMT. C/2-17 airlifted 2 tubes from Camp Radcliff to BMT (AQ883018).
- 31. On 1 Sept 69, C/6-14 made a one-gun shoot from LZ Mary Lou (ZA228838) to LZ Thunder (ZA143897) and returned.
- 32. On 2 Sept 69, C/1-92 moved 2 tubes from Arty Hill to Ban Me Thuot. A/1-92 moved 2 tubes from Bison II (YA898357) to Old Plei Djereng (YA865531).
- 33. On 3 Sept 69, B/6-29 moved 3 tubes from LZ Caster (BR162334) to LZ Tarzan (BR200300).
- 34. On 5 Sept 69, B/2-9 moved 2 tubes from LZ Lynne (YA866133) to LZ Meredith (YA916277). B/6-29 moved 2 tubes from LZ Jo Ann (BR230399) to LZ Tarzan (BR200300). A/5-16 moved 2 tubes from Plei Me (ZA155065) to Camp Enari (AR793347). C/2-9 moved 2 tubes from LZ Buffalo IV (ZA003411) to LZ Gypsy (ZA060448).
- 35. On 6 Sept 69, A/5-16 moved 2 tubes from Camp Enari (AR793347) to LZ Gypsy (ZAO60448). A/3-6 moved two tubes from Ben Het to Arty Hill, C/7-15 moved one 175 from LZ Schueller (BR367458) to LZ Action (BR264470).
- 36. On 7 Sept 69, B/6-29 moved 2 tubes from LZ Tarzan (BR200300) to LZ Mattle (BR225238). B/4-42 moved 2 tubes from LZ Penny (ZA118722) to ZA065701. A/2-9 moved 3 tubes from LZ St. George (AR854144) to AR996196. B/1-92 moved 2 tubes from FSB 6 (IB935188) to LZ Mary Lou (ZA228838).
- 37. On 8 Sept 69, B/1-92 moved 2 tubes from LZ Mary Lou (ZA228838) to LZ Action (BR264470).
- 38. Cn 9 Sept 69, B/1-92 moved 2 tubes from LZ Action (BR264470) to LZ Mattie(BR225238).

- 39. On 10 Sept 69, N/5-16 moved 2 tubes from LZ Oasis (ZAll4275) to LZ Hard Times (ER613606). A/5-16 moved 1 tube from lock Quarry (ZAO57313) and 2 tubes from LZ Gypsy (ZAO60448) to AR855556. C/5-16 moved 4 tubes from Camp Radcliff (ER465467) to LZ Hard Times (Ba613606). A/2-17 moved 2 tubes from Camp Radcliff (ER465467) to LZ Hard Times (ER613606). A/4-42 moved 2 tubes from LZ Joyce (ZA195685) to LZ Duke (ZA235762).
- 40. On 11 Sept 69, C/6-29 moved from LZ Denise (BR520512) to FSB Larry (BR259768). A/6-29 moved 3 tubes from LZ Patricia (BR383425) to LZ Denise (BR520512).
- 41. On 13 Sept 69, A/5-16 moved 3 tubes from LZ Steve (AR855556) to LZ Polly (BR002610). C/4-42 moved 3 tubes from Arty Hill to LZ Polly (BR002610). C/2-9 moved 2 tubes from LZ Gypsy (ZA060448) to LZ Oasis (ZA114275).
- 42. On 14 Sept 69, B/6-29 moved 2 tubes from Base Camp Guns (AR809354). One tube went to LZ Hard Times (BR613606). The other was sent to 704th Maint at An Khe.
- 43. On 17 Sept 69, B/4-42 moved two tubes from IZ Pamela (ZAO65701) to IZ Penny (ZAL18722).
- Щ. On 18 Sept 69, A/2-9 moved 3 tubes from LZ Melody (AR995196) to LZ St. George (AR854144).
- 45. On 20 Sept 69, 1/3-6 moved 2 tubes from Arty Hill (ZA228533) to IZ Joyce (ZA195685). A/4-42 moved 2 tubes from IZ Duke (ZA235762) to IZ Ruth (ZA168530). A/4-42 moved 3 tubes from IZ Joyce (ZA195685) to IZ Ruth (ZA168530). C/4-42 moved 3 tubes from IZ Ruth (ZA168530) to An Khe (BR465467). 1/5-16 moved 3 tubes from IZ Polly (BR002610) to Rock Quarry (ZA057313). C/4-42 moved 3 tubes from IZ Polly (BR002610) to An Khe (BR465467). C/6-29 moved 2 tubes from IZ Larry (BR260765) to IZ Cecil (BR290840).
- 46. On 21 Sept 69, B/4-42 moved from LZ Penny (ZA118722) to LZ Mary Lou (ZA228838). C/4-42 moved from An Khe (BR465467) to LZ Hard Times (BR613606). A/2-17 moved 2 tubes from LZ Hard Times (BR613606) to An Khe (BR465467).
- 47. On 23 Sept 69, C/7=15 moved one 175 from LZ Action (BR26L470) to LZ Blackhawk (BR035535). A/4-42 moved 2 tubes from LZ Ruth (ZA163530) to Plei Mrong (BR113675).
- 48. On 24 Sept 69, 8/6-29 moved from LZ Hattie (38225238) to LZ Yna (BR348309). B/4-42 moved from LZ Mary Lou (ZL226838) to LZ English (ZA103694). A/1-92 moved 4 tubes from Plei Djereng (YA373457) to Bison II (YA898357).
- 49. On 25 Sept 69, B/1-92 moved 2 tubes from LZ Mettie (BR225238) to Camp Radcliff (BR465467). A/6-29 moved 3 tubes from LZ Denise (BR520512) to Camp Radcliff (BR465467). A/6-29 moved 3 tubes from LZ Patricia (BR383425) to Camp Radcliff (BR465467). B/6-29 moved 3 tubes from LZ Yna (BR348309) to LZ Patricia (BR383425).

- 50. On 26 Sept 69, A/6-29 moved 3 tubes from Camp Taddliff (3R465467) to LZ Hard Times (BR613606). C/2-9 moved 2 tubes from FSB Oasis (Zall4275) to LZ Gypsy (4.060448). B/6-29 moved 3 tubes from LZ Yna (BR348309) to Camp Raddliff (BR465467). /6-29 moved 3 tubes from LZ Hard Times (BR613606) to Lz Sherida (BR691559). B/1-92 moved 2 tubes from Camp Raddliff (BR465467) to Arty Hill (4A228533).
- 51. On 27 Sept 69, B/1-92 moved 2 tubes from Arty Hill (ZA22533) to Ben Het (YB073258). B/5-16 moved 2 tubes from Weigt-Davis Quarry (AR896116) to LZ Joan (YA842251). B/6-29 moved 3 tubes from Camp Radcliff (BR465467) to LZ Denise (BR520512). A/4-42 moved 3 tubes from LZ Ruth (ZA168530) to Plei Mrong (ZA115673). C/3-6 moved 2 tubes from LZ Elledge (ZB165065) to LZ Plantation (ZB109165) and returned to LZ Elledge (ZB165065). A/1-92 moved 2 tubes from LZ Bison II (YA898357) to New Plei Djereng (YA873457).
- 52. On 28 Sept 69, A/1-92 moved 2 tubes from New Plei Djereng (YA873457) to Old Plei Djereng (YA865531). A/2-9 moved 2 tubes from LZ St. George (AR854144) to Weigt-Davis Quarry (AR896116). A/6-29 moved 2 tubes from Camp Radcliff (BR465467) to FSB Sherida (BR691560).
- 53. On 29 Sept 69, B/5-16 moved 2 tubes from LZ Joan(YA842251) to Old Plei Djereng (YA865531). C/1-92 move 2 tubes from Ben Het (YB873258) to Arty Hill (ZA226533). A/6-14 moved one 8-inch from New Plei Djereng (YA873457) to Old Plei Djereng (YA865531).
- 54. On 30 Sept 59, B/5-16 moved 1 tube from LZ Joan (YA842251) to Old Plei Djeren (Y.655531).
- 55. On 1 Oct 69, C/6-14 moved One 8-inch from LZ Mary Lou (ZA228838) to ZB153135.
- 56. On 3 Oct 69, A/2-9 moved 2 tubes from Weigt-Davis Quarry (AR896116) to LZ St. George (AR854144).
- 57. On 4 Oct 69, 4/2-17 moved 2 tubes from LZ Action (BR264470) to BR186519 and returned to LZ Action. A/2-) moved 2 tubes from LZ St. George (AR854144) to AQ856895.
- 58. On 5 Oct 69, L/1-92 moved 2 tubes from Old Plei Djereng (YA865531) to LZ Bison II (YA898357). C/6-29 moved 2 tubes from LZ Cecil (BR290840) to BRh196h8. A/3-6 moved 2 tubes from LZ Joyce (ZA195685) to Arty Hill (ZA228533). C/6-lh moved one 8-inch from LZ Plantation (ZB109165) to LZ Mary Lou (ZA228838).
- 59. On 6 Oct 69, A/3-6 moved 2 tubes from rty Hill (ZA228533) to ZA212730 and returned to Arty Hill (ZA228533).
- 60. On 7 Oct 69, B/5-16 moved 1 tube from Base Camp (AR796340) to IZ Bison II (YA898357). A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA212730 and returned to Arty Hill (ZA228533). A/5-16 moved 1 tube from Rock Quarry (ZA057313) to Base Camp (AR796340). C/7-15 moved one

- 8-inch from LZ Blackhawk (BR035535) to LZ Action (BR264470). A/5-16 moved 2 tubes from Mock (Marry (4A057313) to LZ Joan (YA642251). A/1-92 moved 2 tubes from LZ Bison II (YA698357) to New Plei Djereng (YA673457). A/6-14 moved one 8-inch from New Plei Djereng (YA673457) to Old Plei Djereng (YA665531). B/5-16 moved 2 tubes from LZ Joan (YA642251) to LZ Bison II (YA690357).
- 61. On 8 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA205723 and returned to Arty Hill. B/2-) moved 3 tubes from LZ Meredith (YA916277) to LZ Oasis (ZA114275). C/6-29 moved 4 tubes from LZ Lerry (BR260765) to LZ Armageddon (BH420645). B/5-16 moved 3 tubes from LZ Bison II (YA898357) to Old Plei Djereng (YA865531).
- 62. On 9 Oct 69, C/1-92 moved 2 tubes from Arty Hill (ZA228533) to vic AR885488. A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA195685 and returned to Arty Hill. C/6-29 moved 2 tubes from IZ Larry (BR260765) to LZ Armageddon (BR420645).
- 63. On 10 Oct 69, C/4-42 moved 2 tubes from 704th Maintenance at Camp Radcliff (R45467) to LZ Hard Times (BR613606). C/1-92 moved 2 tubes from Arty Hill (ZA228533) to Le Trung vic AR385488. A/3-6 moved 2 tubes from arty Hill (ZA228533) to ZA195685. B/6-14 moved one 8-inch from Ben Het (YB873258) to FSB 1 (ZBOO4216). A/2-9 moved 2 tubes from Phu Nhon to AQ856845.
- 64. On 11 Oct 69, 1/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA195685 and returned to Arty Hill (ZA228533). A/2-9 moved 2 tubes from LZ Brenda (AQ 50015) to AQ872881.
- 65. On 12 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685) and returned to Arty Hill (ZA228533). D/5-16 moved 2 tubes from LZ Oasis (ZA114275) to Old Plei Djereng (YA865531).
- 66. On 13 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685) and returned to Arty Fill.
- 67. On 14 Oct 69, A/3-6 moved 2 tubes from arty Hill (ZA228533) to L4 Joyce (ZA195685) and returned to Arty Hill (ZA228533).
- 68. On 15 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685) and returned to Arty Hill (ZA228533). C/6-29 moved 3 tubes from FSB Armageddon (BR420645) to LZ Denise (BR520512). A/5-16 moved 2 tubes from LZ Joan (YA842251) to LZ Meredith (YA916277). B/6-29 moved 3 tubes from LZ Denise (BR520512) to Como Radcliff (BR465467).
- 69. On 16 Oct 69, B/6-29 moved 3 tubes from LZ Patricia (BR363425) to Camp Radcliff (BR465467). C/6-29 moved 3 tubes from FSB Armageddon (BR420645) to LZ Patricia (PR383425). B/2-9 moved 2 tubes from LZ Meredith (YA916277) to LZ Gypsy (ZA060445). A/2-9 moved 2 tubes from A0878881 to LZ St. George (AR854144). A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685) and returned to Arty Hill (ZA228533).

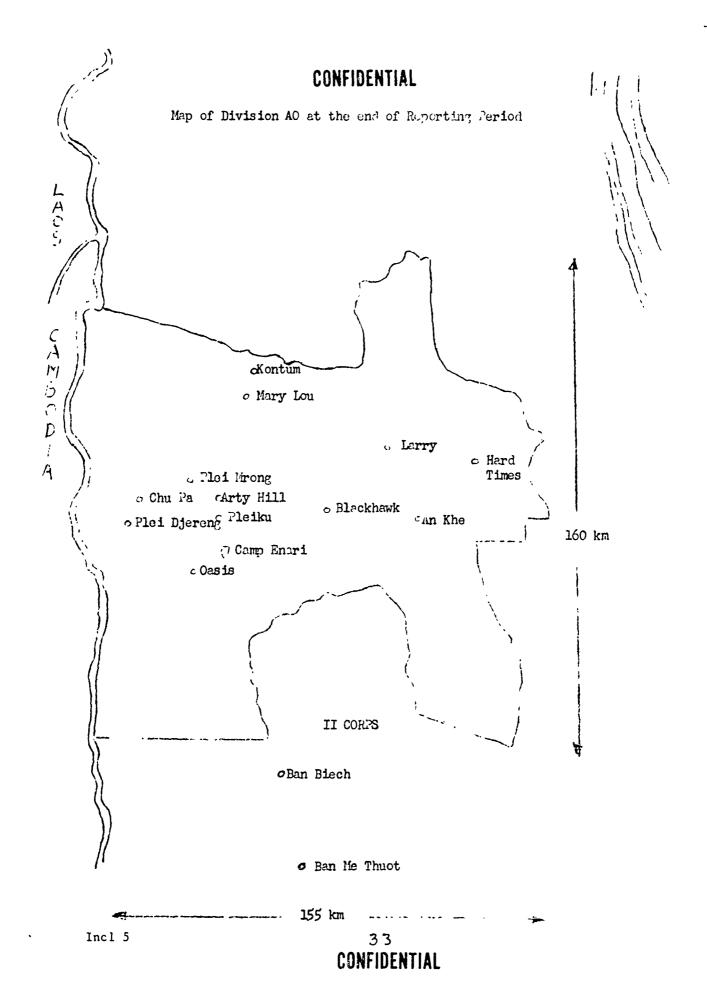
- ?c. On 17 Oot 69, A/3-6 moved 2 tubes from Arty Hill (%228533) to LZ Joyce (ZA195685). C/2-9 moved 4 tubes from LZ Gypsy (Z.060448) to Old Plei Djerenz (YA867531).
- 71. On 18 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to Z 208727. C/2-9 moved 2 tubes from LZ Gypsy (ZAO60448) to 013 lei Djereng (YA867531). C/7-15 moved one 8-inch from LZ action (BR264470) to 62d Maint.
- 72. On 19 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA213712. B/6-29 moved 5 tubes from Camp Radcliff (Thu65467) to Old Plei Djereng (YA867531). C/7-15 moved one 8-inch from 624 Maint to Plei Mrong (Zal16673). C/4-42 moved 2 tubes from LZ Hard Times (TR613607) to DR692613.
- 73. On 20 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685). B/6-29 moved from Old Plei Djereng (YA867531) to LZ Delta (YA935585).
- 74. On 21 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA211730. C/4-42 moved 2 tubes from LZ Chris (R692613) to LZ Hard Times (BR613607).
- 75. On 22 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA211730.
- 76. On 23 Oct 69, A/3-6 moved 2 tubes from Arty (ZA228533) to LZ Wooly Bully (AR765816).
- 77. On 25 Oct 69, 4/3-6 moved 2 tubes from LZ Wooly Bully (4R765816) to LZ Mary Lou (ZA228838).
- 78. On 26 Oct 59, 1/3-6 moved 2 tubes from LZ Mary Lou (ZL228838) to Arty Hill (ZA228533). D/5-16 moved 1 tube from LZ Hard Times (TR613607) to LZ Schueller (HR367458).
- 79. On 27 Oct 69, A/6-29 moved 3 tubes from FSB Sherida (BR688560) to Camp Radcliff (BR465467). A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA213731. C/7-15 moved 1 tube from Plei Mronp (ZA116673) to 62d Maint. C/4-42 moved from LZ Hard Times (BR613607) to Camp Radcliff (Ad465467). A/2-9 moved 2 tubes from LZ St. George (AR854144) to LZ Sylvia (Ad805214).
- 80. On 28 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA201707. A/6-29 moved 2 tubes from FSB Sherida (BR688560) to LZ Hard Times (3R613607).
- 81. On 29 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA200709. A/6-29 moved 2 tubes from LZ Hard Times (BR613607) to Camp Radcliff (BR65467). C/5-16 moved from LZ Hard Times (ZR613607) to Camp Radcliff (BR465467).
- 82. A/3-6 moved 2 tubes from Arty Hill (21.228533) to ZA192688. C/4-42 moved from Camp Rodcliff (TR465467) to LZ Two Dits (TR8844948). C/1-92 moved 2 tubes from Le Trung (AR886488) to Man Me Thuot (AQ883018). A/6-29 moved 2 tubes from Camp Radcliff (T4465467) to LZ Denise (TR520512).
- 83. On 31 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA197688. C/6-lh moved one 8-inch from LZ Mary Lou (ZA228838) to AR778899. C/7-15 moved one 8-inch from 62d Maint to Plei Mrong (ZA116673). A/6-29 moved 1 tube from Camp Radcliff (BR165167) to LZ Denise (BR520512).

AVIDD-AC
SUBJECT: Operation Report - Lessons Learned for the Period Ending
31 October 1969 (RCS - CSFOR -65 (RI)

Ammunition Expenditures (1 aug 1969 - 31 Oct 69)

UNIT	TYPE	Alcort
A/6-29	105T	24,811
B <b>/6-2</b> 9	105T	15,279
C/6 <b>-2</b> 9	105T	26,054
A/4-42	105T	26,373
B/4-42	105T	8,851
C/4-42	105T	25,665
A/2-9	105T	11,155
B/2-9	105T	12,675
C/2 <b>-</b> 9	105T	15,753
Provisional BC Battery	105T	9,300
A/3-6	1.05SP	9,926
c/3 <b>-</b> 6	105SP	6,148
A/2-17	105T	41,247
B/2 <b>-17</b>	105T	24,992
TOTAL	105mm	258,329
A/5 <b>-1</b> 6	155S:	4,760
3/5-16	1558	18,086
C/5 <b>-1</b> 6	155S?	28,513
Provisional BC Tattery	1558°	7,858
A/1-92	155T	7,370
B/1-92	155T	4,007
C/1-92	155T	3,916
TOTAL	155mm	74,510
D/5-16	8"SP	7,745
A/6-14	8"SP	7,745 3 <b>,9</b> 78
B/6-14	811SP	1,305
C/6-14	8 uSP	2,501
c/ <b>7-1</b> 5	8 "SP	بلبلد, 3
TOTAL	811	18,673
A/6-14	175SP	4,304
B/6-14	175SP	3,521
C/6-14	175SP	3,734
c/7 <b>-1</b> 5	175SP	3,521
TOTAL	175mm	15,080
	GRAND TOTAL	366,592

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